



MASTERCLASS IN

**CLINICAL CARDIOLOGY**

## About Us

Medvarsity Online is Asia's largest healthcare Ed-Tech company, with over 2 lakh medical professionals trained and certified. Our partnerships with leading universities globally enable us to present the best courses and faculty to our students and help them meet their learning goals. Medvarsity is on a mission to bridge the gap of skilled medical professionals with over 150 courses in clinical & management areas for doctors, nurses, and general management personnel, covering specialties like Diabetes, Emergency Medicine, Cardiology, Nutrition, Wellness, Healthcare Informatics, Mental Health & more, with all the content being up-to-date.

Medvarsity has presence across 10 locations in India and students across India, Middle East, Africa, and South-East Asia. Our blended training solutions combine the best of traditional e-learning, live virtual classes, clinical bedside learning, mobile learning models to deliver impactful courses to our students.

## Course Overview

The Master Class in Clinical Cardiology course is designed to provide medical graduates with the knowledge, skills and training required to manage common cardiovascular conditions. The course incorporates most of the lifelong learning competencies for general cardiologists recommended by international guidelines. The aim of this course is to empower medical graduates who are already working or planning to work in cardiology units of hospitals with deeper understanding of cardiology topics. General practitioners who wish to improve their knowledge and skills in managing patients with cardiovascular conditions will also benefit immensely from this course.

## Course objectives

- Demonstrate the clinical skills of history taking and physical examination for cardiovascular cases.
- Describe the general diagnostic approach and investigations required for a variety of cardiovascular conditions.
- Discuss the medical management of important conditions including hypertension, acute coronary syndromes, arrhythmias, valvular heart diseases and other cardiovascular disorders.
- Demonstrate the clinical skills required for medical management of patients admitted with various cardiovascular disease.
- Describe the benefits and risks of cardiovascular medications, devices and procedures.

## Course Outline

### Session 1

#### *Certificate in Essentials of Cardiology - 3 months*

- Approach to presenting complaints in Cardiology
- ECG Testing & Interpretation
- Echocardiography
- Cardiac Imaging
- Invasive Cardiology

### Session 2

#### *Advanced Certificate in Clinical Cardiology - 3 months*

- Resuscitation Topics - BLS & ACLS
- Cardiovascular Pharmacology
- Hypertension Management
- Coronary Artery Disease
- Heart Failure
- Arrhythmias

### Session 3

#### *Fellowship in Clinical Cardiology - 6 months*

- Congenital Heart Disease
- Valvular Heart Diseases
- Cardiomyopathies
- Rheumatic Fever
- Infective Endocarditis
- Myocardial Diseases
- Pericardial Diseases
- Diseases of the Aorta
- Venous Thromboembolism
- Pulmonary Hypertension
- Cardiac Tumors

Session3 includes 3 months of hospital postings with training in Cardiology competencies



## Course Highlights

- Series of three graded cardiology courses
- Designed based on international guidelines on cardiology competencies
- Total 50 hours of learning content
- Practical training with 12-week long skills sessions

## ELIGIBILITY

Session 1- Physicians (MBBS, AYUSH), Final year medical graduates and interns (MBBS and AYUSH)

Session 2- MBBS graduates and interns

Session 3- MBBS graduates with MCI/State medical council registration

## Duration:

1 year, 50 Hrs of Learning Content

12 weeks of Skill Sessions.

## Training and Learning Methodology:

### *Online Learning*

The online learning program will be for a duration of 50 Hours. The online content shall be in the form of e-books, recorded videos of lectures covering the module content supported by live lectures during the contact program. A login username and password will be provided to access the content of the learning management system. You can access the course content on a computer or mobile phone at your convenience.

### *Live Virtual Classes (Webinars)*

With healthcare industry undergoing so many advancements, staying updated about latest trends, technologies and guidelines have become vital. Additionally, having these updates through a healthy discussion with experienced clinicians will be the focus of our learning curriculum. Live virtual classes will provide an opportunity for the participants to listen to expert presentations and interact with them through webinars.

### *Assessment & Certification*

- The course is divided into 3 Sessions each having an assessment. All these assessments are online and objective.
- The final examination will be conducted online at the end of 1 year following the completion of all the Module tests.
- A minimum of 60% is required in all the module tests and the Final Test to be eligible for certification
- On successful completion of the final exam, candidates will be awarded certificate by Medvarsity.





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